

CURRICULUM VITAE

NAME: Elizabeth Barnby
RANK: Clinical Associate Professor
DATE OF APPOINTMENT: August 17, 2016
PROFESSIONAL LICENSURE: RN 1985 CRNP 2009
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TELEPHONE: 256-824-4231

EDUCATION:

Year	Degree	Institution	Major
2016	PM-FNP	The University of Alabama in Huntsville	Nursing
2012	D.N.P.	The University of Alabama in Huntsville	Nursing
2010	PM-Nsg Ed	The University of Alabama in Huntsville	Nursing
2008	M.S.N.	The University of Alabama in Huntsville	Nursing
2007	B.S.N.	The University of Alabama in Huntsville	Nursing
1981	A.D.N.	Middle Tennessee State University	Nursing

CERTIFICATIONS:

Year	Title of Certification
2021	Mental Health First Aid-Adult (MHFA)
2017	Family Nurse Practitioner Board Certified (FNP-BC) (AANPCB) FO117004 Expires 1-2-2027
2010	Certificate in Nursing Education
2009	Adult-Gerontology Acute Care Nurse Practitioner Board Certified (AGACNP-BC) (ANCC) 2009001224 Expires 2-18-2024
2009	Certified Registered Nurse Practitioner (CRNP) 1-049092 Expires 12-31-2022
1985	Registered Nurse (RN) 1-049092 Expires 12-31-2022

PROFESSIONAL ACADEMIC EXPERIENCE:

<i>Years</i>	<i>Title/ Rank</i>	<i>Institution</i>	<i>Role/Functional Area</i>
2016-present	Clinical Associate Professor	University of Alabama in Huntsville	Teaching, Service & Research
2013-2015	Interim Undergraduate Program Coordinator	University of Alabama in Huntsville	Administrative
2013-2016	Clinical Assistant Professor	University of Alabama in Huntsville	Teaching, Service, & Research
2009-2013	Clinical Instructor	University of Alabama in Huntsville	Teaching, Service & Research

PROFESSIONAL EXPERIENCE:

<i>Years</i>	<i>Title</i>	<i>Institution</i>	<i>Role/Functional Area</i>
2016-present	Nurse Practitioner CRNP	The Doctors Office, LLC Hazel Green, Alabama	Primary Care Provider
2010-2012	Nurse Practitioner CRNP	Gunn Family Medicine Meridianville, AL 35759	Primary Care Provider
2006 – 2007	Clinical Nurse Educator	Pediatric Emergency Dept. Women’s & Children’s Hospital Huntsville, Alabama	Clinical Nurse Educator
2005 – 2006	Staff Nurse ED	Emergency Department Crestwood Medical Center Huntsville, Alabama	Staff Nurse ED
2005 – 2005	Clinical Nurse Educator	Cardiovascular Service Line Huntsville, Hospital Huntsville, Alabama	Clinical Nurse Educator
2002 – 2004	Clinical Nurse Educator	Cardiovascular Service Line	Clinical Nurse Educator

		Piedmont Medical Center Atlanta, Georgia	
2002 – 2002	Nursing Supervisor ED	Emergency Department Children’s Healthcare of Atlanta Atlanta, Georgia	Nursing Supervisor
2000 – 2001	School Nurse Supervisor	Miller County Elem. Miller County Schools Colquitt, Georgia	School Nurse Supervisor
1998 – 2000	Staff Nurse ED	Emergency Department Bainbridge Memorial Hospital Bainbridge, Georgia	Staff Nurse
1996 – 1998	High Tech Pediatric Home Health Nurse	Visiting Nurses Association of Southwest Georgia Bainbridge, Georgia	Home Health Nurse
1995 – 1996	Nurse Manager PACU	Post Anesthesia Care Unit Jennie Stuart Memorial Hospital Hopkinsville, Kentucky	Nurse Manager PACU
1995 – 1995	Staff Nurse ED	Emergency Department Clarksville Memorial Hospital Clarksville, Tennessee	Staff Nurse ED
1992 – 1995	School Nurse	Ansbach Elementary School Department of Defense Schools Europe (DoDDS) Ansbach, Germany	School Nurse
1992 – 1992	GS-12 Clinical Nurse	Katterbach Dispensary Katterbach Army Airfield Katterbach, Germany	GS-12 Clinical Nurse
1991 - 1991	GS-12 Clinical Nurse	Intensive Care Unit McDonald Army Hospital Fort Eustis, Virginia	GS-12 Clinical Nurse
1990 – 1991	Administrative Nsg Supervisor	Hospital Wide All Depts. Human Hospital Enterprise, AL	Administrative Nursing Supervisor
1986 – 1990	Staff Nurse ED	Emergency Department	Staff Nurse ED

9/1986 – 8/1990	EMS Educator	Fairbanks Memorial Hospital Fairbanks, Alaska	Interior Region EMS Coordinator for Alaska
1985 – 1986	Staff Nurse ED	Clinical Coordinator Interior Region EMS Council Fairbanks, Alaska	Staff Nurse ED
1984 – 1985	Staff Coordinator	Emergency Department Humana Hospital Enterprise, Alabama	Nurse Manager for PACU & ICU
1983 – 1984	Staff Nurse ED	ICU & PACU Smyrna Hospital Smyrna, Tennessee	Staff Nurse ED
1982 – 1983	Staff Nurse CCU	Emergency Department Middle Tennessee Medical Center Murfreesboro, Tennessee	Staff Nurse CCU
		Coronary Care Unit Baptist Hospital Nashville, Tennessee	

SCHOLARSHIP:

Contracts and Grants Funded:

Internal:

<i>Year</i>	<i>Citation</i>
2019	Research and Creative Experiences for Undergraduates (RCEU), University of Alabama in Huntsville; Provide <i>Hereditary Tyrosinemia Type 1 (HTI) Caregiver Education Based on Nursing Research and Evidence Based Best Practice to Improve Patient Outcomes</i> ; Student: Sarah Bonnell; Amount received: \$3,500.00 .
2017	Barnby, E. B. (Co-Principal), MacGregor, G. (Principal), Vogler, B. W. (Co-Principal), <i>Using Mass Spectrometry (MS) and Nuclear Magnetic Spectroscopy (NMR) to Identify Neurological Modifying Metabolites in the Plasma, Urine and Brain of a Mouse Model of Tyrosinemia Type 1</i> , Sponsored by CCFR 1st year, University of Alabama in Huntsville, \$5,000.00 . (September 1, 2016 - September 1, 2017).

- 2016 Barnby, E. B. (Co-Principal), MacGregor, G. (Principal), Vogler, B. W. (Co-Principal), *Using Mass Spectrometry (MS) and Nuclear Magnetic Spectroscopy (NMR) to Identify Neurological Modifying Metabolites in the Plasma, Urine and Brain of a Mouse Model of Tyrosinemia Type 1*, Sponsored by CCFR 1st year, University of Alabama in Huntsville, **\$5,000.00**. (September 1, 2015 - September 1, 2016).
- 2015 Mendenhall, E. M. (Principal), Barnby, E. B. (Supporting), *Science & Nursing Genome Engineering Research Team*, Sponsored by Cross-College Faculty Research (CCFR) Program, University of Alabama in Huntsville, **\$5,000.00**. (October 1, 2014 - October 1, 2015).
- 2015 Barnby, E. B. (Principal), MacGregor, G. (Co-Principal), Hoy, H. M. (Co-Principal), *Using Mice to Discover the Mechanism of Cognitive Decline Observed in the Treatment of In-born Errors of Amino Acid Metabolism*, Sponsored by CCFR 2nd year, University of Alabama in Huntsville, **\$5,000.00**. (August 1, 2014 - August 1, 2015).
- 2014 Barnby, E. B. (Principal), MacGregor, G. (Co-Principal), Hoy, H. M. (Co-Principal), *Prevention of neurological decline utilizing pharmacological treatment of Tyrosinemia Type 1 (TT1) in a mouse model*, Sponsored by CCFR 1st year, University of Alabama in Huntsville, **\$5,000.00**. (August 1, 2013 - August 1, 2014).
- 2014 Barnby, E. B. (Co-Principal), Newman, K. L. (Principal), MacGregor, G. (Co-Principal), *Use of web-based scales to prevent adolescent obesity.*, Sponsored by CCFR 1st year, University of Alabama in Huntsville, **\$5,000.00**. (August 1, 2013 - August 1, 2014).
- 2013 Barnby, E., *Inhibition studies of homogentisate 1, 2-dioxygenase (HDG) in a murine model of hereditary tyrosinemia type 1 (TT1)*, Sponsored by Office of Technology Commercialization, University of Alabama in Huntsville, **\$2,500.00**. (April 1, 2012 - April 1, 2013).
- 2013 Co-PI's: Gordon MacGregor (Faculty), Elizabeth Barnby (Faculty), Denise Surina-Baumgartner (Adjunct Faculty), Wolfgang Langhans (Adjunct Faculty) *Effects of green coffee bean extract on body weight and metabolism* (December 2013)

External:

<i>Year</i>	<i>Citation</i>
2021	Tyrosinemia Society Incorporated; Unrestricted Grant Funding. Dr. Elizabeth Barnby & Dr. Mark Reynolds; Joshua's Cure Amount Received: In process now, estimate \$10,000

- 2020 Tyrosinemia Society Incorporated; Unrestricted Grant Funding. Dr. Elizabeth Barnby & Dr. Mark Reynolds; Cycle Pharmaceuticals; Amount Received: **\$650.00** Honorarium
- 2019 Tyrosinemia Society Incorporated; Unrestricted Grant Funding. Dr. Elizabeth Barnby & Dr. Mark Reynolds; SOBI Pharmaceuticals; Amount Received: **\$10,000.00**
- 2019 Tyrosinemia Society, Incorporated; Implementation of a 501(c)(3) Non-Profit Organization, Unrestricted Grant Funding, Dr. Elizabeth Barnby & Dr. Mark Reynolds; Cycle Pharmaceuticals; Amount received: **\$32,500.00**

Contracts and Grants Not Funded:

External:

- | <i>Year</i> | <i>Citation</i> |
|-------------|---|
| 2020 | Collaborator in IARPA Grant Proposal with Dr. Gabe Xu <i>An Optical Spectroscopic System to Detect SARS-CoV-2 and Other Viruses in Breath and Air</i> . June 2020 (Not funded) |
| 2019 | <i>Tyrosinemia Care for Patients/Caregivers</i> in conjunction with Dr. Jerome Baudry and Dr. Beth Barnby, Chan-Zuckerberg Foundation. Amount: \$450,000. |
| 2015 | Barnby, E. B. (Co-Principal), MacGregor, G. (Principal), Mendenhall, E. M. (Supporting), <i>Using Mice to Discover the Mechanism of Cognitive Decline Observed in the Treatment of In-born Errors of Amino Acid Metabolism</i> , Sponsored by March of Dimes, Other, \$367,000.00. (January 19, 2015). Not funded |
| 2013 | Barnby, E. B. (Co-Principal), MacGregor, G. (Co-Principal), <i>Inhibition studies of homogentisate 1, 2-dioxygenase (HDG) in a murine model of hereditary tyrosinemia type 1 (TT1)</i> ," Sponsored by March of Dimes, Other. (July 4, 2013). Not funded |

Publications:

Refereed Journal Articles:

- | <i>Year</i> | <i>Citation</i> |
|-------------|--|
| 2022 | Barnby, E. B., Reynolds, M. E., & Gordon, J. (2022). Reaching Herd Immunity During the SARS-CoV-2 Pandemic: What School Nurses Need to Know. <i>National Association for School Nurse (NASN)</i> , 37(1), 13–18. https://journals-sagepub-com.ezproxy3.lhl.uab.edu/doi/full/10.1177/1942602X211044996 |
| 2021 | Barnby, E. B., Reynolds, M. E., & Gordon, J. (2021). Vaccine Strategy During the SARS-CoV-2 Pandemic: What School Nurses Need to Know. <i>NASN School Nurse</i> . |

- 2021 Fenin, I. A., Norris, C. L., Barnby, E. B., & Hammock, M. B. (2021). Adaptation of Clinical Guidelines to Improve Childhood Obesity Screening. *Pediatric Nursing*.
- 2021 Gordon, J., Reynolds, M. & Barnby, E. (2021). An Informative Discussion for School Nurses on COVID-19 mRNA Vaccine. *National Association for School Nurse (NASN)*. doi:10.1177/1942602X21999606
- 2020 Evaluation of a Modified Version of the Norton Scale for Use as a Pressure Injury Risk Assessment Instrument in Critical Care: A Quality Improvement Project. *Journal of wound, ostomy, and continence nursing: official publication of The Wound, Ostomy and Continence Nurses Society*, 47(3), 224–229. <https://doi.org.ezproxy3.lhl.uab.edu/10.1097/WON.0000000000000642>
- 2019 Reynolds, M., & Barnby, E. (2019). Creating a Non-Profit Organization in Response to a Clinical Need. *Clinical Nurse Specialist: The Journal for Advanced Nursing Practice*. DOI: 10.1097/NUR.0000000000000466
- 2019 Reynolds, M., Barnby, E., & O'Neal, P.V. (2019). Genomic science - from 2001 to present day- What school nurses need to know. *National Association of School Nurses (NASN)*. DOI: 10.1177/1942602X18810790
- 2018 Barnby, E. & Reynolds, M. (2018). Pertussis Resurgence: School Nurses as a Safety Net for Children. *National Association School Nurses (NASN)*. DOI: 10.1177/1942602X18767955
- 2018 Foster, M., & Barnby, E. (2018). Academic-Community Partnership Educating Children About Weather-Related Disaster Preparedness. *National Association of School Nurses (NASN)*, 33(3), 160-162. doi:10.1177/1942602x17753066
- 2017 Moore, M. E., Koenig, A. E., Hillgartner, M. A., Otap, C. C., Barnby, E., & MacGregor, G. G. (2017). Abnormal social behavior in mice with Tyrosinemia type I is associated with an increase of myelin in the cerebral cortex. *Metabolic Brain Diseases*, 32(6), 1829-1841. doi: 10.1007/s11011-017-0071-8
- 2017 Barnby, E. B., Alexander, S. Collaborative Research: An Advanced Practice Nurse's Experience in Genome Research and Treatment. *Clinical Nurse Specialist: The Journal for Advanced Nursing Practice*. <http://journals.lww.com/cns-journal/pages/default.aspx>
- 2017 O'Keefe, L. C., Frith, K. H., Barnby, E. (in print). Nurse Faculty as International Collaborators. *Nursing and Health Sciences*. [http://onlinelibrary.wiley.com/journal/10.1111/\(ISSN\)1442-2018](http://onlinelibrary.wiley.com/journal/10.1111/(ISSN)1442-2018)
- 2016 Hillgartner MA, Coker SB, Koenig AE, Moore ME, Barnby E, MacGregor GG. Tyrosinemia type I and not treatment with NTBC causes slower learning and

altered behavior in mice. *Journal of inherited metabolic disease*. 2016;39(5):673-682.

2014 Barnby, E. (2014). Tyrosinemia Type 1: An Overview of Nursing Care. *Pediatric Nursing*, 40(2), 61-68. <http://www.pediatricnursing.net/>

Media:

Year Citation

2017 Barnby, E (2017) The importance of handwashing. WHNT TV Steve Johnson reporter. (January 20, 2017).

2016 Barnby, E (2016) Amazing maze studies on tyrosinemia type 1 at UAH. WAAY TV Bobby Shuttleworth (January 21, 2016)

2016 Barnby, E (2016) Research on Tyrosinemia Type 1. Internet: UAH webpage. (January 11, 2016).

2014 Barnby, E (2014) UAH nursing professor takes personal interest in TT1 research. Magazine: Perspectives Summer 2014 edition. (June 1, 2014).

Supervision of Student Research/Projects:

Year Citation

2021 Ongoing Scholarly Project Committee Chair, *Implementation of a Sepsis Bundle Order Set in the Emergency Department During the Covid-19 Pandemic*, College of Nursing, Ongoing, DNP Nursing (Fall 2020- 2021) Advised: Marilyn Hunter

2020 Ongoing Scholarly Project Committee Chair, *Healthy Me: An Interactive Healthy Lifestyle Program to Increase Self-Efficacy in Elementary Grade Students and Their Guardians*” Nursing (Fall 2017- 2020) Advised: Hannah Lowe

2021 Ongoing Scholarly Project Committee Chair, *The Effects of Nutritional Education with Insulins in Reducing Hemoglobin A1C in Diabetic Patients*” Nursing (Fall 2019-2021) Advised: Modupe Akhigbe

2019 Completed Biology Student Project, *Behavioral Changes in Mice with Hereditary Tyrosinemia Type I (HTI) Suggests Multifactorial Pathophysiologic Changes* Interdepartmental Collaboration between Nursing & Biology (Spring-Summer 2019) Advised: Shayenne Arehart undergraduate student

2019 Completed RCEU Summer Project, *The Importance of Early Intervention and Education for Caregivers of Children with Hereditary Tyrosinemia* Nursing (Summer 2019) Advised: Sarah Bonnell RCEU undergraduate student BSN

- 2019 Completed Scholarly Project Committee Member, *Adaptation of Clinical Guidelines: Strategic Effort for Improving Childhood Obesity Screening in a Pediatric Clinic* Nursing (Summer 2018-Fall 2019) Advised: Ivy Fenin, DNP Chair: Casey Norris
- 2018 Completed Scholarly Project Committee Chair, *Optimization and Evaluation of a Pressure Injury Risk Assessment Tool for use in the Critical Care Setting* Nursing (Spring 2017-Spring 2018) Advised: Rhonda Sullivan DNP
- 2017 Completed Scholarly Project Committee Member, *Designing and Evaluating a Parental Training Program for Parents with School Aged Children Diagnosed with Attention Deficit Hyperactive Disorder* Nursing (Spring 2015-Spring 2017) Advised: Kariuki Anne Chair: Marlena Primeau
- 2017 Completed Scholarly Project Committee Member, *Primary Care Algorithm for Obese Adolescents with Signs of Polycystic Ovarian Syndrome*, Nursing (Spring 2016-Spring 2017) Advised: Margaret Anderson Chair: Haley Hoy
- 2017 Completed Scholarly Project Committee Member, *Effectiveness of Rapid Response Teams* Nursing (Spring 2016-Spring 2017) Advised: Kimberly W. Hill, DNP Chair: Haley Hoy
- 2016 Completed Scholarly Project Committee Chair, *Improving Adolescents Perceived Self-Efficacy through Disaster Preparedness Education*, Nursing. (June 1, 2015 - September 13, 2016). Advised: Melissa Foster
- 2014 Completed Scholarly Project Committee Member, *Rapid Response Team: What is the Impact of Implementing an Adult Rapid Response Protocol in the Acute Care Setting on Cardiopulmonary Arrests in the Non-intensive Care Patients?*, Nursing (Fall 2013-Spring 2014) Advised: Lennox Marr Chair: Kristen Herrin

Presentations:

Invited:

International

- 2020 Barnby, E. B. (2020, January). *Patient Challenges with Hereditary Tyrosinemia Type 1 (HT1): A Journey of hope*. In Let's Talk HT1 International Meeting. Swedish Orphan BioVitrum International (SOBI). **Amsterdam, Netherlands**
- 2020 Barnby, E. B. (2020, October). *Current Global Learnings of Tyrosinaemia Type 1*. [Invited Oral Presentation] National/International Conference Metabolic Dietary Disorders Association (MDDA). **Melbourne, Australia:** Australian Metabolic Dietary Disorders Association
- 2015 Barnby, E. (Author & Presenter), MacGregor, G. (Author), ISONG **World** Congress: Epigenetics Across the Lifespan, *Tyrosine Metabolism in A Murine*

- Model of Tyrosinemia Type 1 And The Resulting Epigenetic Neurocognitive Changes.*, International Society of Nurses in Genetics (ISONG) 2015, Pittsburgh, PA. (November 5, 2015).
- 2015 Barnby, E. (Author & Presenter), Dayal, N. (Author), Tyrosinemia 2015, Development & Evaluation of a Continuing Education Unit (CEU) on Tyrosinemia Type 1 (TT1) for Advanced Practice RNs (APRNs), GAETQ Groupe d'Aide aux Enfants Tyrosinémiques du Québec, Saguenay, **Quebec, Canada**. (September 24, 2015).
- 2015 Barnby, C. (Author & Presenter), Koenig, A. (Author), Barnby, E. (Author), MacGregor, G. (Author), Tyrosinemia 2015, Mice with Tyrosinemia Type I Show Altered Behavior and Social Interactions with Other Mice (Won 1st Place Prize Scientific Cat), GAETQ Groupe d'Aide aux Enfants Tyrosinémiques du Québec, Saguenay, **Quebec, Canada**. (September 24, 2015).
- National
2020 Barnby, E. B. (2020, February). *From mother to scientist: A Journey of hope*. [Keynote Oral Invited] In Rare Disease Day Keynote Speaker for North America Office for SOBI. Swedish Orphan BioVitrum International. Boston, MA
- 2017 Barnby, E (Author & Presenter) “*Home management of Tyrosinemia type 1 (TT1)*” Invited speaker for Tyrosinemia Type I: Making Connections Count Meeting on Thursday, May 25th –Friday, May 26th
- State
2020 Barnby, E. B. (2020, February). Physician/Scientist and Parent Panel: Patient Challenges with Hereditary Tyrosinemia Type 1 (HT1): A Journey of Hope. [Invited Oral Panel Presentation] In 2020 Alabama Rare Disease Patient/Caregiver Symposium: Using Technology and Collaboration to Navigate the Rare Disease
- 2015 MacGregor, G., Watkins, T. (Author), Coker, S. (Author), Barnby, E. B. (Author), Mendenhall, E. M. (Author), 92nd annual meeting of the Alabama Academy of Science, INC., *Altered Wheel Running and Exploratory Activity in a Mouse Model of Tyrosinemia Type I*, The Alabama Academy of Science, Livingston, AL. (March 12, 2015).
- 2011 Barnby, E. B., DNP Intensive, Diagnosis of Uncomplicated Lower Urinary Infection in Adult Women: A literature Review, University of Alabama, Tuscaloosa, Alabama. (April 13, 2011).
- 2011 Barnby, E. B., DNP Intensive, Newborn Screening for Tyrosinemia Type 1: A Systematic Review, University of Alabama, Tuscaloosa, Alabama. (April 13, 2011).
- 2009 Barnby, E. B., The Alabama State Nurses Association Annual Convention, *ECG Interpretation: Sherlock Holmes of Nursing*, ASNA, Florence, Alabama. (October 2, 2009).

- 2008 Barnby, E. B., Alabama State Nurses Association, *Cardiovascular Surgery and Transplant*, ASNA, Huntsville, AL. (August 1, 2008).
- Local
- 2016 Barnby, E. B., Nurse Practitioner Class, *Exploring Genomics 2016*, UAH CON Graduate Program, Nursing Building. (June 15, 2016).
- 2015 Barnby, E. B., NUR 402 Population Based Healthcare, *Transplant Healthcare*, UAH CON, Nursing Building (July 9, 2015).
- 2015 Barnby, E. B., Nurse Practitioner Class, *Genetic/Genomic Revolution*, UAH CON, Nursing Building (May 27, 2015).
- 2015 Barnby, E. B. (Author & Presenter), UAH FNP course NUR 611-01, *Pediatric Cardiac Primary Care*, College of Nursing UAH NUR 611 course. (January 27, 2015).
- 2014 Barnby, E. B., NUR 622, Genes & Genetic Diseases, UAH CON, Nursing Building. (July 9, 2014).
- 2014 Barnby, E. B., NUR 610, 12 Lead ECG, College of Nursing, College of Nursing UAH NUR 610. (February 19, 2014).
- 2013 Barnby, E. B., Camp Succeed ECG Interpretation: Sherlock Holmes or CSI of Nursing, UAH CON, Nursing Building. (June 24, 2013).
- 2013 Barnby, E. B., The Spirit of Inquiry Research Conference, *Alkaptonuria to Cure Tyrosinemia?* Sigma Theta Tau International, UAH. (March 13, 2013).
- 2013 Barnby, E. B., NUR 610, *12 Lead ECG*, UAH CON, Nursing Building (March 6, 2013).
- 2012 Barnby, E. B., NANPA North Alabama Nurse Practitioner Annual Clinical Symposium, *Pharmacological management in trauma treatment*, North Alabama Nurse Practitioner, Huntsville, AL. (September 28, 2012).
- 2012 Barnby, E. B., WOW Week of Welcome, *Diagnosis of Uncomplicated Lower Urinary Infection in Adult Women*, UAH, Von Braun Research Center. (August 20, 2012).
- 2012 Barnby, E. B., WOW Week of Welcome, *Newborn Screening for Tyrosinemia Type 1*, UAH, Von Braun Research Center. (August 20, 2012).
- 2012 Barnby, E. B., NUR 402 Population Based Healthcare, *Pediatric Transplant as a Treatment for Chronic Pediatric Genetic Disorders*, UAH CON, UAH CON. (July 6, 2012).

- 2012 Barnby, E. B., ACNP Class UAH CON Graduate Program, *Role of Genetics for the Nurse Practitioner*, Nursing Building. (June 20, 2012).
- 2012 Barnby, E. B., *Hope: Organ and Tissue Donation Donor & Recipient Panel, Pediatric Transplant: The Gift of Life*, Alabama Organ Center (AOC), Corporate University, Huntsville Hospital. (April 27, 2012).
- 2012 Barnby, E. B., NUR 404, *Pediatric Cardiac Jeopardy*, UAH CON, Nursing Building. (January 19, 2012).
- 2011 Barnby, E. B., NUR 404, *Cardiovascular Disorders in Children, Pediatric Cardiac Jeopardy*, UAH CON, Nursing Building. (November 7, 2011).
- 2011 Barnby, E. B., NUR 610 Nurse Practitioner Course, *12 Lead ECG*, UAH CON Graduate Program, Nursing Building. (September 29, 2011).
- 2011 Barnby, E. B., NUR 610 Nurse Practitioner Course, *DVT, HTN, Aneurysm, Valvular Heart Disease, ACS, PVD*, UAH CON Graduate Program, Nursing Building. (September 28, 2011).
- 2011 Barnby, E. B., NUR 401 *Lecture Series, Acute Coronary Syndrome, Cardiac Arrest/Code Management, Cardiac Arrhythmia Interpretation, Advanced Technology for the Cardiac Patient, Who wants to be an RN? Cardiac Crime Scene Investigation: A Case study*, UAH CON, Nursing Building. (August 8, 2011).
- 2011 Barnby, E. B., NUR 402 Population Based Healthcare, *Pediatric Transplant as a Treatment for Chronic Pediatric Genetic Disorders*, UAH CON, Nursing Building. (July 7, 2011).
- 2011 Barnby, E. B., NUR 611, *An example of evidence-based practice: Diagnosis of Uncomplicated Lower Urinary Infection in Adult Women*, UAH CON Graduate Program, Nursing Building. (June 15, 2011).
- 2011 Barnby, E. B., NUR 622, *Treatment of Acute Uncomplicated Lower Urinary Tract Infection in Adult Women: A Presentation of the Evidence*, An Informal conversation about the benefits of DNP education, UAH CON Graduate Program, Nursing Building. (June 15, 2011).
- 2011 Barnby, E. B., NUR 407, Spring Break *Cardiac Hesi Review*, UAH CON, Nursing Building. (March 1, 2011).
- 2011 Barnby, E. B., NUR 401 *Lecture Series, Acute Coronary Syndrome, Cardiac Arrest/Code Management, Cardiac Arrhythmia Interpretation, Advanced Technology for the Cardiac Patient, Who wants to be an RN? Cardiac Crime Scene Investigation: A Case study*, UAH CON, Nursing Building. (January 8, 2011).

- 2011 Barnby, E. B., NUR 401 *Lecture Series, Nursing Management of Patients with Inflammatory & Structural Heart Disorders & Aortic Aneurysms, Nursing Management of Heart Failure & Advanced Vascular Technology, Nursing Management of Patients with Dysrhythmias, Nursing Management of Coronary Artery Disease & Acute Coronary Syndrome, Nursing Assessment: The Cardiovascular System, and Advanced Cardiac Life Support*, UAH CON, Nursing Building. (January 1, 2011).
- 2010 Barnby, E. B., UAH CON Research Day, *Newborn Screening for Tyrosinemia Type 1: A Systematic Review*, UAH CON, Nursing Building, Huntsville. (November 1, 2010).
- 2010 Barnby, E. B., Camp Succeed, *Care of the Preceptor: What to expect in Precepting*, UAH CON, Nursing Building. (August 1, 2010).
- 2010 Barnby, E. B., NUR 401 *Lecture Series, Nursing Management of Patients with Inflammatory & Structural Heart Disorders & Aortic Aneurysms, Nursing Management of Heart Failure & Advanced Vascular Technology, Nursing Management of Patients with Dysrhythmias, Nursing Management of Coronary Artery Disease & Acute Coronary Syndrome, Nursing Assessment: The Cardiovascular System, and Advanced Cardiac Life Support*, UAH CON, Nursing Building. (August 1, 2010).
- 2010 Barnby, E. B., NUR 407, *Peds HESI Review*, UAH CON, Nursing Building. (August 1, 2010).
- 2010 Barnby, E. B., CE Saturday, *Trauma Drugs of ATLS*, UAH CON Graduate Program, Nursing Building. (July 1, 2010).
- 2010 Barnby, E. B., NUR 402 Population Based Healthcare, *Pediatric Transplant as a Treatment for Chronic Pediatric Genetic Disorders*, UAH CON, Nursing Building. (July 1, 2010).
- 2009 Barnby, E. B., NUR 401 *Lecture Series, Nursing Management of Patients with Inflammatory & Structural Heart Disorders & Aortic Aneurysms, Nursing Management of Heart Failure & Advanced Vascular Technology, Nursing Management of Patients with Dysrhythmias, Nursing Management of Coronary Artery Disease & Acute Coronary Syndrome, Nursing Assessment: The Cardiovascular System, and Advanced Cardiac Life Support*, UAH CON, Nursing Building. (September 1, 2009).
- 2009 Barnby, E. B., NUR 401 Clinical Groups Skills Day, *Hemodynamic Monitoring Techniques & Central Lines*, UAH CON, Nursing Building. (August 9, 2009).
- 2008 Barnby, E. B., NUR Health Assessment Class, *Cardiovascular Assessment: Keys to your success!* UAH CON, Nursing Building. (October 17, 2008).

- 2008 Barnby, E. B., NUR Health Assessment Class, *Cardiovascular Assessment: Keys to your success!* UAH CON, Nursing Building. (October 14, 2008).
- 2008 Barnby, E. B., NUR 404, *Care of the Chronically Ill or Terminal Child*, UAH CON, Nursing Building. (October 1, 2008).
- 2008 Barnby, E. B., NUR 404, *Pediatric Emergencies!* UAH CON, Nursing Building. (October 1, 2008).
- 2008 Barnby, E. B., NUR 407, *Cardiovascular Review and Arrhythmia Interpretation*, UAH CON, Nursing Building. (October 1, 2008). 2006
- 2006 Barnby, E. B., *Pediatric Emergency Department Lunch & Learn, Come Have a Bite! Emergency Snake Bite Treatment in the Emergency Department*, Huntsville Hospital, Huntsville, AL. (January 1, 2006).
- 2005 Barnby, E. B., New Employee Orientation, *Artificially Paced Rhythms*, Piedmont Medical Center, Atlanta, Georgia. (January 1, 2005).
- 2002 Barnby, E. B., Computer Based Learning: *Netlearning Piedmont Medical Center, Cardiovascular Practice Guidelines*, Piedmont, Atlanta, Georgia. (January 1, 2002).
- 2002 Barnby, E. B., Critical Care Nurses, *Hypotension, Shock, & Pulmonary Edema*, Piedmont Medical Center, Atlanta, Georgia. (January 1, 2002).
- 2002 Barnby, E. B., Critical Care Nurses & Monitor Techs, *Narrow & Tachy: An examination of narrow complex tachycardia*, Piedmont Medical Center, Atlanta, Georgia. (January 1, 2002).
- 2002 Barnby, E. B., Critical Care Nurses & Monitor Techs, *Wide & Tachy: An examination of wide complex tachycardia*, Piedmont Medical Center, Atlanta, Georgia. (January 1, 2002).
- 2002 Barnby, E. B., New Graduate *Cardiovascular Intern Course, Post Cardiac Cath: Minimizing Risk*, Piedmont Medical Center, Atlanta, Georgia. (January 1, 2002).
- 2002 Barnby, E. B., New Graduate Cardiovascular Intern Course, *Welcome to Nursing: getting a great start as a new graduate at the Fuqua Heart Center*, Piedmont Medical Center, Atlanta, Georgia. (January 1, 2002)

Abstract/Poster Presentations (Refereed):

- 2019 Sullivan, R., & Barnby, E. B. (2019, June). *New Critical Care-Specific Pressure Injury Risk Assessment Tool Demonstrates Excellent Validity and Reliability in a Simulated Patient Environment. WOCNext: WOCN Society Annual*

- Conference. Nashville, Tennessee: WOCN Society Annual Conference. Abstract Accepted and Poster Presentation.
- 2019 Bonnell, S. Barnby, E. & Reynolds, M. (2019). *The Importance of Early Intervention and Education for Caregivers of Children with Hereditary Tyrosinemia*. Research or Creative Undergraduate Experience (RCEU) Program. Huntsville, Alabama. Abstract Accepted and Poster Presentation.
- 2019 Arehart, S., Barnby, E., Reynolds M., Bonnell, S., Koenig, A., MacGregor, G. (2019). *Behavioral Changes in Mice with Hereditary Tyrosinemia Type 1 (HT1) Suggest Multifactorial Pathophysiologic Changes*. Southeastern Regional Genetics Group Annual Conference, Asheville, North Carolina. Abstract Accepted and Poster Presentation.
- 2019 Bonnell, S. Arehart, S., Wagner, A., Barnby, E., Reynolds, M. (2019). *The Importance of Early Intervention and Education for Caregivers of Children with Hereditary Tyrosinemia*. Southeastern Regional Genetics Group (SERGG) Annual Conference, Asheville, North Carolina. Abstract Accepted and Poster Presentation.
- 2019 Reynolds, M., Barnby, E., & Lioce, L. (2019). *Implementation of Pressured Time Augmented Reality to Enhance Clinical Practice Outcomes in Senior Level Baccalaureate Nursing Students*. University of Alabama System Scholar's Institute, Huntsville, Alabama. Abstract Accepted and Poster Presentation.
- 2018 Reynolds, M., Barnby, E., & Lioce, L. (2018). *Implementation of Augmented Reality to Enhance Practice Outcomes in Senior Level Baccalaureate Nursing Students*. National Institutes of Health, National Institute of Nursing Research Precision Health: Smart Technologies, Smart Health Symposium. Bethesda, Maryland. Abstract Accepted and Poster Presentation.
- 2018 Barnby, E. B., MacGregor, G. G., Vogler, B. W., Wolfsberger, J., & Olsen, E. (2018, July). *A Metabolomics Approach using NMR to Identify Neurological Modifying Metabolites in the Urine and Brain of a Mouse Model of Hereditary Tyrosinemia Type I (HT1)*. National Institutes of Health, National Institute of Nursing Research Precision Health: Smart Technologies, Smart Health. Bethesda, Maryland: National Institutes of Health (NIH). Abstract Accepted and Poster Presentation
- 2017 Hollingsworth, A (Author & Presenter), Barnby, E. (Author & Presenter), (2017) Southeast Regional Genetics Group (SERGG), *A systematic approach to the diagnosis of pediatric patients who present with metabolic crisis in the emergency department* SERGG/SERC, Asheville, North Carolina Abstract Accepted and Poster Presentation
- 2016 Barnby, C. (Author & Presenter), Barnby, E. (Author & Presenter), Southeast Regional Genetics Group (SERGG), *Alterations in the Environment Improve*

Outcomes for Children with Tyrosinemia Type 1, SERGG/SERC, Sawgrass Marriott Ponte Vedra Florida. (July 13, 2016). Abstract Accepted and Poster Presentation

- 2016 Patterson, L. (Author & Presenter), Elizabeth, B. (Author & Presenter), Casey, N. (Author), Kelly, E. (Other), Neil, L. (Other), Adam, H., Southeast Regional Genetics Group (SERGG), *The Development of a Pediatric Genetic Nursing Clinical Experience for Senior Nursing Students in an Undergraduate Baccalaureate Program*, SERGG/SERC, Sawgrass Marriott Ponte Vedra Florida. (July 13, 2016). Abstract Accepted and Poster Presentation
- 2015 Watkins, T. (Author & Presenter), Mendenhall, E. (Author), Barnby, E. (Author), SERGG Southeast Regional Genetics Group, *In Vivo Utilization of CRISPR/CAS9 Genome Engineering to Transform FAH^{-/-} Hepatocytes to FAH^{+/+} to Study Neural Phenotypes in a Murine Model.*, Southeast Regional Newborn Screening & Genetics Collaboration, Asheville, North Carolina. (July 16, 2015). Abstract Accepted and Poster Presentation
- 2014 MacGregor, G. (Author), Coker, S. (Author & Presenter), Barnby, E. B. (Author), 2014 Annual Meeting for SERC/SERGG, *Nitisinone (NTBC, ORFADIN) Increases Dopamine and Serotonin Release and Modifies Mouse Behavior*, Southeastern Regional Genetics Group, Ponte Vedra Beach, FL. (July 18, 2014). Abstract Accepted and Poster Presentation
- 2014 Barnby, E. B. (Chair), Navarro, J. (Presenter), Zahran, R. (Presenter), Hillgartner, M. (Presenter), MacGregor, G. (Co-Chair), Hoy, H. M. (Co-Chair), Adams, E. D. (Co-Chair), Coker, S. (Other), *Navigating the Future of Nursing, How the emerging specialty of genomic nursing is changing patient outcomes through a multinational research collaboration to identify the cause of cognitive decline in patients with Tyrosinemia Type 1 and improve care through pharmacogenetic research techniques*, Sigma Theta Tau International, Tennessee Technological University Whitson-Hester School of Nursing Cookeville Tennessee. (April 7, 2014).
- 2013 Barnby, E. B., National Conference for Nurse Practitioners, *Newborn Screening for Tyrosinemia Type 1: A Literature Review*, NCNP Wolters Kluwer Health Medical Research, Gaylord Opryland Resort & Convention Center in Nashville, Tennessee. (May 1, 2013). Abstract Accepted and Poster Presentation
- 2012 Barnby, E. B. (Presenter), McClellan, L. C. (Chair), Hoy, H. M. (Co-Chair), Sharer, D. (Co-Chair), *Translating Research into Clinical Practice: Development of a CEU for APRNs on Tyrosinemia Type 1*, Sigma Theta Tau International, Jackson, Tennessee. (October 27, 2012). Abstract Accepted and Poster Presentation

- 2012 Barnby, E. B., Joint DNP Intensive, *Development & Evaluation of a Continuing Education Unit (CEU) on Tyrosinemia Type 1 (TT1) for Advanced Practice RNs (APRNs)* Recipient of Outstanding Poster Award, UAB CON & Sigma Theta Tau, Birmingham, AL. (March 28, 2012). Abstract Accepted and Poster Presentation
- 2011 Barnby, E. B., SERGG Southeast Regional Genetics Group, *Newborn Screening for Tyrosinemia Type 1: A Literature Review*, SERGG/SERC, Asheville, North Carolina. (July 21, 2011). Abstract Accepted and Poster Presentation

TEACHING:

Year	Activity Teaching
2021	Fall 2021 Semester: Fall 2021 Course Prefix: NUR Course Number: 304 Section: 01 Course Title: APP PATHOPHYSIOLOGY LIFESPAN Semester: Fall 2021 Course Prefix: NUR Course Number: 304 Section: 02 Course Title: APP PATHOPHYSIOLOGY LIFESPAN Semester: Fall 2021 Course Prefix: NUR Course Number: 304 Section: 03 Course Title: APP PATHOPHYSIOLOGY LIFESPAN Semester: Fall 2021 Course Prefix: NUR Course Number: 407 Section: 02 Course Title: PROF PRACTICE IN NURSING II Semester: Fall 2021 Course Prefix: NUR Course Number: 407L Section: 01 Course Title: CLINICAL EXPERIENCE Semester: Fall 2021 Course Prefix: NUR Course Number: 407L Section: 02 Course Title: CLINICAL EXPERIENCE Semester: Fall 2021

Course Prefix: NUR
Course Number: 407L
Section: 03
Course Title: CLINICAL EXPERIENCE
Semester: Fall 2021
Course Prefix: NUR
Course Number: 739
Section: 04
Course Title: DNP PROJECT

Summer 2021
Course Title: SCHOLARLY INQ ADV NUR PRAC
Semester: Summer 2021
Course Prefix: NUR
Course Number: 739
Section: 04 Summer 2021
Spring 2021
Course Title: CLINICAL EXPERIENCE
Semester: Sp 2021
Course Prefix: NUR
Course Number: 303L
Section: 05
Course Title: APP PATHOPHYSIOLOGY LIFESPAN
Semester: Sp 2021
Course Prefix: NUR
Course Number: 304-03
Section: 03
Course Title: PROF PRACTICE IN NURSING II
Semester: Sp2021
Course Prefix: NUR
Course Number: 407
Section: 02
Course Title: CLINICAL EXPERIENCE
Semester: Sp 2021
Course Prefix: NUR
Course Number: 407L
Section: 01
Course Title: CLINICAL EXPERIENCE
Semester: Sp 2021
Course Prefix: NUR
Course Number: 407L
Section: 02
Course Title: CLINICAL EXPERIENCE
Semester: Sp 2021
Course Prefix: NUR

Course Number: 407L
Section: 03
Course Title: SCHOLARLY INQ ADV NUR PRAC
Semester: Sp 2021
Course Prefix: NUR
Course Number: 739
Section: 04

2020

Fall 2020
Semester: Fall 2020
Course Prefix: FYEN
Course Number: 101N
Section: 01
Course Title: CHARGER SUCCESS - NURSING
Semester: Fall 2020
Course Prefix: FYEN
Course Number: 101N
Section: 03
Course Title: CHARGER SUCCESS - NURSING
Semester: Fall 2020
Course Prefix: NUR
Course Number: 301
Section: 02
Course Title: CONCEPTS IN NURSING
Semester: Fall 2020
Course Prefix: NUR
Course Number: 407
Section: 02
Course Title: PROF PRACTICE IN NURSING II
Semester: Fall 2020
Course Prefix: NUR
Course Number: 407L
Section: 03
Course Title: CLINICAL EXPERIENCE
Semester: Fall 2020
Course Prefix: NUR
Course Number: 407L
Section: 02
Course Title: CLINICAL EXPERIENCE
Semester: Fall 2020
Course Prefix: NUR
Course Number: 407L
Section: 01
Course Title: CLINICAL EXPERIENCE
Semester: Fall 2020
Course Prefix: NUR

Course Number: 739
Section: 04
Course Title: DNP PROJECT
Summer 2020
Semester: Summer 2020
Course Prefix: NUR
Course Number: 739
Section: 04
Course Title: DNP PROJECT
Spring 2020
Semester: Spring 2020
Course Prefix: NUR
Course Number: 405
Section: 02

Course Title: COMMUNITY HEALTH NURS
Semester: Spring 2020
Course Prefix: NUR
Course Number: 405L
Section: 01
Course Title: CLINICAL EXPERIENCE
Semester: Spring 2020
Course Prefix: NUR
Course Number: 405L
Section: 06
Course Title: CLINICAL EXPERIENCE
Semester: Spring 2020
Course Prefix: NUR
Course Number: 405L
Section: 07
Course Title: CLINICAL EXPERIENCE
Semester: Spring 2020
Course Prefix: NUR
Course Number: 405L
Section: 08
Course Title: CLINICAL EXPERIENCE
Semester: Spring 2020
Course Prefix: NUR
Course Number: 405L
Section: 10
Course Title: CLINICAL EXPERIENCE
Semester: Spring 2020
Course Prefix: NUR
Course Number: 422
Section: 82
Course Title: COMMUNITY HEALTH FOR PRCTNG RN

Semester: Spring 2020
 Course Prefix: NUR
 Course Number: 602
 Section: 84
 Course Title: SCHOLARLY INQ ADV NUR PRAC
 Semester: Spring 2020
 Course Prefix: NUR
 Course Number: 739
 Section: 06
 Course Title: DNP PROJECT

2019

Fall 2019
 Semester: Fall 2019
 Course Prefix: FYEN
 Course Number: 101N
 Section: 02
 Course Title: CHARGER SUCCESS - NURSING
 Semester: Fall 2019
 Course Prefix: NUR
 Course Number: 407
 Section: 01
 Course Title: PROF PRACTICE IN NURSING II
 Semester: Fall 2019
 Course Prefix: NUR
 Course Number: 407
 Section: 03
 Course Title: PROF PRACTICE IN NURSING II
 Semester: Fall 2019
 Course Prefix: NUR
 Course Number: 407L
 Section: 01
 Course Title: CLINICAL EXPERIENCE
 Semester: Fall 2019
 Course Prefix: NUR
 Course Number: 407L
 Section: 02
 Course Title: CLINICAL EXPERIENCE
 Semester: Fall 2019
 Course Prefix: NUR
 Course Number: 407L
 Section: 03
 Course Title: CLINICAL EXPERIENCE
 Semester: Fall 2019
 Course Prefix: NUR
 Course Number: 606
 Section: 81

Course Title: ADV PATHOPHYSIOLOGY

Semester: Fall 2019

Course Prefix: NUR

Course Number: 606

Section: 82

Course Title: ADV PATHOPHYSIOLOGY

Semester: Fall 2019

Course Prefix: NUR

Course Number: 606

Section: 83

Course Title: ADV PATHOPHYSIOLOGY

Semester: Fall 2019

Course Prefix: NUR

Course Number: 739

Section: 06

Course Title: DNP PROJECT

Summer 2019

Semester: Summer 2019

Course Prefix: NUR

Course Number: 339

Section: 83

Course Title: INFO MGMT IN HEALTHCARE

Semester: Summer 2019

Course Prefix: NUR

Course Number: 339

Section: 85

Course Title: INFO MGMT IN HEALTHCARE

Semester: Summer 2019

Course Prefix: NUR

Course Number: 390

Section: 07

Course Title: The Art of ECG Interpretation

Semester: Summer 2019

Course Prefix: NUR

Course Number: 421

Section: 84

Course Title: AC CARE NURS RNBSN

Semester: Summer 2019

Course Prefix: NUR

Course Number: 739

Section: 06

Course Title: DNP PROJECT

Spring 2019

Semester: Spring 2019

Course Prefix: NUR

Course Number: 407

Section: 01
 Course Title: PROF PRACTICE IN NURSING II
 Semester: Spring 2019
 Course Prefix: NUR
 Course Number: 407L
 Section: 01
 Course Title: CLINICAL EXPERIENCE
 Semester: Spring 2019
 Course Prefix: NUR
 Course Number: 407L
 Section: 02
 Course Title: CLINICAL EXPERIENCE
 Semester: Spring 2019
 Course Prefix: NUR
 Course Number: 407L
 Section: 03
 Course Title: CLINICAL EXPERIENCE
 Semester: Spring 2019
 Course Prefix: NUR
 Course Number: 408
 Section: 02
 Course Title: PROF PRAC IN NURS III SEMINAR
 Semester: Spring 2019
 Course Prefix: NUR
 Course Number: 739
 Section: 06
 Course Title: DNP PROJECT

2018

Fall 2018
 Semester: Fall 2018
 Course Prefix: NUR
 Course Number: 307
 Section: 02
 Course Title: INQRY TO EVIDNC BASED NURS PRC
 Semester: Fall 2018
 Course Prefix: NUR
 Course Number: 407
 Section: 01
 Course Title: PROF PRACTICE IN NURSING II
 Semester: Fall 2018
 Course Prefix: NUR
 Course Number: 407
 Section: 02
 Course Title: PROF PRACTICE IN NURSING II
 Semester: Fall 2018
 Course Prefix: NUR

Course Number: 407
 Section: 03
 Course Title: PROF PRACTICE IN NURSING II
 Semester: Fall 2018
 Course Prefix: NUR
 Course Number: 408
 Section: 02
 Course Title: PROF PRAC IN NURS III SEMINAR
 Summer 2018
 Semester: Summer 2018
 Course Prefix: NUR
 Course Number: 339
 Section: 83
 Course Title: INFO MGMT IN HEALTHCARE
 Semester: Summer 2018
 Course Prefix: NUR
 Course Number: 421
 Section: 84
 Course Title: AC CARE NURS RNBSN
 Semester: Summer 2018
 Course Prefix: NUR
 Course Number: 739
 Section: 06
 Course Title: DNP PROJECT
 Spring 2018
 Semester: Spring 2018
 Course Prefix: NUR
 Course Number: 407
 Section: 01
 Course Title: PROF PRACTICE IN NURSING II
 Semester: Spring 2018
 Course Prefix: NUR
 Course Number: 408
 Section: 02
 Course Title: PROF PRAC IN NURS III SEMINAR
 Semester: Spring 2018
 Course Prefix: NUR
 Course Number: 739
 Section: 06
 Course Title: DNP PROJECT

2017

Fall 2017
 Semester: Fall 2017
 Course Prefix: NUR
 Course Number: 407
 Section: 01

Course Title: PROF PRACTICE IN NURSING II

Semester: Fall 2017

Course Prefix: NUR

Course Number: 407

Section: 02

Course Title: PROF PRACTICE IN NURSING II

Semester: Fall 2017

Course Prefix: NUR

Course Number: 407

Section: 03

Course Title: PROF PRACTICE IN NURSING II

Semester: Fall 2017

Course Prefix: NUR

Course Number: 408

Section: 04

Course Title: PROF PRAC IN NURS III SEMINAR

Spring 2017

Semester: Spring 2017

Course Prefix: NUR

Course Number: 419

Section: 81

Course Title: SCHOLRY INQUIRY IN NURSING PRA

2016

Fall 2016

Semester: Fall 2016

Course Prefix: FYEN

Course Number: 101N

Section: 03

Course Title: CHARGER SUCCESS - NURSING

Semester: Fall 2016

Course Prefix: NUR

Course Number: 309

Section: 01

Course Title: CLINICAL INFORMATICS

Semester: Fall 2016

Course Prefix: NUR

Course Number: 407

Section: 02

Course Title: PROF PRACTICE IN NURSING II

Semester: Fall 2016

Course Prefix: NUR

Course Number: 739

Section: 06

Course Title: SCHOLARLY PRACTICE PROJECT

Summer 2016

Semester: Summer 2016
 Course Prefix: NUR
 Course Number: 739
 Section: 06
 Course Title: SCHOLARLY PRACTICE PROJECT
 Spring 2016
 Semester: Spring 2016
 Course Prefix: NUR
 Course Number: 309
 Section: 01
 Course Title: CLINICAL INFORMATICS
 Semester: Spring 2016
 Course Prefix: NUR
 Course Number: 309
 Section: 02
 Course Title: CLINICAL INFORMATICS
 Semester: Spring 2016
 Course Prefix: NUR
 Course Number: 407
 Section: 02
 Course Title: PROF PRACTICE IN NURSING II
 Semester: Spring 2016
 Course Prefix: NUR
 Course Number: 739
 Section: 06
 Course Title: SCHOLARLY PRACTICE PROJECT

2015

Fall 2015
 Semester: Fall 2015
 Course Prefix: NUR
 Course Number: 309
 Section: 01
 Course Title: CLINICAL INFORMATICS
 Semester: Fall 2015
 Course Prefix: NUR
 Course Number: 407
 Section: 02
 Course Title: PROF PRACTICE IN NURSING II
 Semester: Fall 2015
 Course Prefix: NUR
 Course Number: 739
 Section: 06
 Course Title: SCHOLARLY PRACTICE PROJECT
 Spring 2015
 Semester: Spring 2015
 Course Prefix: NUR

Course Number: 201
 Section: 01
 Course Title: MULTIDIM ASPECTS HL CAREER OPT
 Semester: Spring 2015
 Course Prefix: NUR
 Course Number: 404
 Section: 01
 Course Title: 1ST 7-FAM-CNTR NUR CARE CHLDRN
 Semester: Spring 2015
 Course Prefix: NUR
 Course Number: 404
 Section: 02
 Course Title: 2ND 7-FAM-CNTR NUR CARE CHLDRN

2014

Fall 2014
 Semester: Fall 2014
 Course Prefix: NUR
 Course Number: 404
 Section: 01
 Course Title: 1ST 7WKS FAM CNTR/CARE OF CHIL
 Semester: Fall 2014
 Course Prefix: NUR
 Course Number: 404
 Section: 02
 Course Title: 2ND 7WKS FAM CNTR/CARE OF CHIL
 Summer 2014
 Semester: Summer 2014
 Course Prefix: NUR
 Course Number: 304
 Section: 01
 Course Title: APP PATHOPHYSIOLOGY LIFESPAN
 Spring 2014
 Semester: Spring 2014
 Course Prefix: NUR
 Course Number: 404
 Section: 0
 Course Title: 1ST 7-FAM-CNTR NUR CARE CHLDRN
 Semester: Spring 2014
 Course Prefix: NUR
 Course Number: 404
 Section: 02
 Course Title: 2ND 7-FAM-CNTR NUR CARE CHLDRN

2013

Fall 2013
 Semester: Fall 2013
 Course Prefix: NUR

Course Number: 404
 Section: 01
 Course Title: 1ST 7WKS FAM CNTR/CARE OF CHIL
 Semester: Fall 2013
 Course Prefix: NUR
 Course Number: 404
 Section: 02
 Course Title: 2ND 7WKS FAM CNTR/CARE OF CHIL
 Summer 2013
 Semester: Summer 2013
 Course Prefix: NUR
 Course Number: 406
 Section: 01
 Course Title: LEADERSHIP & MGMT IN NURSING
 Spring 2013
 Semester: Spring 2013
 Course Prefix: NUR
 Course Number: 404
 Section: 01
 Course Title: 1ST 7 FAM-CNTER NUR CARE CHILD
 Semester: Spring 2013
 Course Prefix: NUR
 Course Number: 404
 Section: 02
 Course Title: 2ND 7 FAM-CNTER NUR CARE CHILD

2012

Fall 2012
 Semester: Fall 2012
 Course Prefix: NUR
 Course Number: 404
 Section: 01
 Course Title: 1ST 7WKS FAM CNTR/CARE OF CHIL
 Semester: Fall 2012
 Course Prefix: NUR
 Course Number: 404
 Section: 02
 Course Title: 2ND 7WKS FAM CNTR/CARE OF CHIL
 Summer 2012
 Semester: Summer 2012
 Course Prefix: NUR
 Course Number: 406
 Section: 02
 Course Title: LEADERSHIP & MGMT IN NURSING
 Semester: Summer 2012
 Course Prefix: NUR
 Course Number: 406

Section: 01
 Course Title: LEADERSHIP & MGMT IN NURSING

2011 Summer 2011
 Semester: Summer 2011
 Course Prefix: NUR
 Course Number: 406
 Section: 02

SERVICE:

University:

Year	Activity
2021- Ongoing	Faculty senate Committee Chair 2021-2022
2018- Ongoing	Senator for faculty Senate, Fall 2018-2022
2020- Ongoing	Strategic Management Committee Member
2018-2020	Undergraduate Curriculum Committee, Fall 2018-2020
2017-2018	Special Institutional Assignment, Student Conduct Faculty Board Maxient PAO Fall 2017- Fall 2018
2017-2018	Appointment, Promotion, and Tenure Committee, Fall 2017- Spring 2018
2016-2022	Research Collaborative, Fall 2016- Ongoing
2015-2016	Space Life Committee, Fall 2015-Spring 2016
2015-2017	Faculty Search Committee, Fall 2015-Fall 2017
2014-2015	SACSCOC Committee, Spring 2014-Spring 2015
2013-2015	Undergraduate Sub-Curriculum Committee Chair, Fall 2013-Summer 2015
2013-2015	Curriculum Transformation Committee, Fall 2013-Summer 2015
2013-2015	Reappointment Committee, Fall 2013-Summer 2015

- 2013-2018 DNP Admissions Committee, Fall 2013-Spring 2018
- 2013-2015 Undergraduate Curriculum Committee, Fall 2013-Summer 2015
- 2013-2017 Faculty Traffic Appeals, Spring 2013-Spring 2017
- 2016-2017 Student Conduct Board (Fall 2016-2017)
- 2013-2016 Committee Member, Faculty Traffic Appeals. (January 1, 2013 - 2016).
- 2014-2015 Committee Member, SACSCOC Committee. (January 1, 2014 - April 15, 2015).

Other
Institutional
Service

- 2013-2015 400 Level Calendar/Scheduler, Fall 2013-Fall 2015
- 2013-2014 Elsevier/Evolve Liaison, Fall 2013- Fall 2014
- 2013-2015 Interim Undergraduate Program Coordinator CON, Fall 2013-Fall 2015

Community
Service

- 2015-
Ongoing RPAC/Infant Death Review Advisory Board, Fall 2015-Ongoing
- 2017-
Ongoing Hazel Green High School, Medical Academy Advisory Board, Fall 2017- Ongoing
- 2019-
Ongoing Governors Rare Disease Advisory Council, Fall 2019-Ongoing Governor's advisory board, Journey: Informatics Application in Rare Diseases. Alabama Rare Disease Advisory Board, Center for Clinical and Translational Science, Alabama Genomic Health Initiative, and Children's of Alabama. <https://www.alabamarare.org/alabama-rare-disease-advisory-council>

Professional
Service

- 2021 Advisory Board for NovaVita Therapeutics, helping to get FDA approval for first gene therapy for Tyrosinemia Type 1. Dr. Lillegard, head of Precision Medicine at Mayo Clinic is leading the effort.
- 2021-
Ongoing National Organization of Nurse Practitioner Faculties (NONPF) Member

2019- Ongoing	Alabama Rare Advisory Board, appointed by Governor Kay Ivey to advocate for rare disease needs in the State of Alabama, Spring 2020- Ongoing
2018- Ongoing	Volunteer- Arts & Crafts & Advocate for Families with Hereditary Tyrosinemia Type 1 Victory Junction https://victoryjunction.org/volunteer/ Fall 2018-Fall 2019
2019- Ongoing	President, Treasurer, & Founder, Tyrosinemia Society, Inc. https://www.tyrosinemia.org
2017- Ongoing	Advisory Board, Cycle Pharmaceutical, Spring 2018-Ongoing
2017- Ongoing	Nurse Practitioner Alliance of Alabama (NPAA) Fall 2017- Ongoing
2017- Ongoing	Advisory Board, Swedish Orphan BioVitrum International Hereditary Tyrosinemia Type 1. Spring 2017-Ongoing
2017- Ongoing	Committee Member, Tyrosinemia Type 1 Guidelines Committee HRSA grant supported at Emory, Wrote guidelines Hereditary Tyrosinemia Type 1, Spring 2017- Ongoing
2015- Ongoing	Advisory Board, Region 1 RPAC/Fetal & Infant Death Review Board, ADPH and the State regarding policy changes to improve outcomes. Spring 2015- Ongoing
2013-2017	Volunteer, Camp Independence, Assist Camp Independence to recruit volunteers, Fall 2013-2017
2012-2017	Volunteer, Camp Bridges, Recruit volunteers to assist with transplant camp, Fall 2012- Fall 2017
2010-2019 2007-2016	North Alabama Nurse Practitioner Association (NANPA) Fall 2010- Fall 2019 Member, International Society of Nurses in Genetics ISONG, Fall 2007-Fall 2016
2007- Ongoing	Member, Sigma Theta Tau, Fall 2007- Ongoing
2007-2014	Alabama organ center (AOC) Alabama Organ Center, Advocate: Conference-Related Fall 2007- Fall 2014
<u>Other Service</u>	
2019- Ongoing	President & Treasurer Tyrosinemia Society, Inc., National non-profit 501c3 with an International Reach, Spring 2019-Ongoing

2017-
Ongoing Practicing Nurse Practitioner (CRNP), The Doctor's Office, LLC, Spring 2017-
Ongoing

CONSULTATIONS:

Year	Activity
2019	Cycle Pharma, advisory Board at GMDI, Orlando Florida
2018	Swedish Orphan BioVitrum International, yearly meeting, Phoenix, Arizona
2018	Cycle Pharmaceutical, Cambridge, London, England
2017	Swedish Orphan BioVitrum International Advisory Board June 2017 London, England

HONORS AND AWARDS:

Year	Name
2017	Regional Nurse Practitioner Award, Nurse Practitioner Association of North Alabama.
2014	Outstanding Faculty in the College of Nursing, UAH. (February 9, 2014).
2014	Faculty Award for Excellence, The University of Alabama in Huntsville. (May 4, 2014).
2012	Outstanding Poster Award for UA Joint DNP Intensive, Sigma Theta Tau International Honor Society of Nursing. (March 29, 2012).
1996	Superior Civilian Service Award (Medal), Awarded by General Hunter, United States Army of behalf of the "Heroic measures to save the life of a toddler" on behalf of United States Department of Defense Europe (March 1, 1996)

CONTINUING EDUCATION:

Year	Activity
2020	High Pressure Headache, Englewood, Colorado, ACCME, ACPE, and ANCC, Spring 2020
2020	Neuromodulation Approaches to Migraine Treatment, Englewood, Colorado, ACCME, ACPE, and ANCC, Spring 2020

- 2020 7th Annual Rare Disease Genomics Symposium: Informatics Application in Rare Diseases, 5.25 Birmingham, Alabama, Children's of Alabama along with the Alabama Rare Disease Advisory Board, Spring 2020
- 2020 Prevention of Migraine, Englewood, Colorado, Postgraduate Institute of Medicine & ANCC , Spring 2020
- 2020 Migraine Pathophysiology: A Clinical Perspective, Englewood, Colorado, ACCME and ANCC, Spring 2020
- 2020 The Diagnosis of Primary Headache Disorders, Englewood,Colorado, ACCME, ACPE, and ANCC, Spring 2020
- 2020 Primary Headaches: Evaluating Burden and Impact, Englewood, Colorado ACCME, ACPE, and ANCC, Spring 2020
- 2020 Acute Treatment: Now and in the Future, Englewood, Colorado, ACCME, ACPE, and ANCC, Spring 2020
- 2020 Low Pressure Headache, Englewood, Colorado, ACCME, ACPE, and ANCC Spring 2020
- 2019 Data DIY Workshop, Philadelphia, Pennsylvania, Global Genes, Chan Zuckerberg Foundation, Fall 2019
- 2019 41st Annual Meeting: Society for Inherited Metabolic Disorders (SIMD) Seattle Washington 22.2 CME, CEUs Fall 2019
- 2019 Basic Cardiac Life Support (BCLS) for Healthcare Provider, Huntsville, Alabama, AHA, BCLS renewal class, Fall 2019
- 2019 24th Annual Symposium North Alabama Nurse Practitioner Association (NANPA): Improving Health Care Through Education and Service, Huntsville, Alabama, Fall 2019
- 2019 Victory Junction Volunteer Training, Randleman, North Carolina, Victory Junction, Fall 2019
- 2019 2019 National Organization for Rare Disorders (NORD) Summit: Rare Diseases & Orphan Products Breakthrough Summit, Washington DC, Fall 2019
- 2019 Southeast Regional Genetics Network (SERN) 36th Annual Meeting of the Southeastern Regional Genetics Group (SERGG) Asheville, North Carolina (HRSA), Department of Health and Human Services, Summer 2019

- 2019 National Organization for Rare Disorders (NORD) Living Rare, Living Stronger Patient & Family Forum, Houston, Texas, Summer 2019
- 2019 Southeast Regional Genetics Network (SERN) 36th Annual Meeting of the Southeastern Regional Genetics Group (SERGG), Asheville, North Carolina (HRSA), Summer 2019
- 2019 2019 DNP Intensive 3.5 Huntsville, Alabama, UAH CON, Spring 2019
- 2018 Type 2 Diabetes Mellitus P2 1.1, Andover, Massachusetts, Fitzgerald Health Education Associates, Fall 2018
- 2018 Acute Bacterial Rhinosinusitis: A focus on the Latest Treatment Recommendation 2, Andover, Massachusetts, Fitzgerald Health Education Associates, Fall 2018 Fa
- 2018 Prescribing in Pregnancy: A Focus on Safety and Efficacy, Andover, Massachusetts, Fitzgerald Health Education Associates, Fall 2018
- 2018 Antibiotic Update: A Focus on Treatment Options in Community Acquired Pneumonia, Andover, Massachusetts, Fitzgerald Health Education Associates, Fall 2018
- 2018 Type 2 Diabetes Mellitus P1, Andover, Massachusetts, Fitzgerald Health Education Associates, Fall 2018
- 2018 An Evidence-Based Approach to Management Throughout the Lifespan, Andover, Massachusetts, Fall 2018
- 2018 Laboratory Monitoring During Drug Therapy, Andover, Massachusetts, Fitzgerald Health Education Associates, Fall 2018
- 2018 Bacterial Pharyngitis, Conjunctivitis, Acute Otitis Media: A Focus on Treatment Recommendations, Andover, Massachusetts, Fitzgerald Health Education Associates, Fall 2018
- 2018 Hypertension Update, Andover, Massachusetts, Fitzgerald Health Education Associates, Fall 2018
- 2018 Pharmacologic Intervention During Lactation, Andover, Massachusetts, Fitzgerald Health Education Associates, Fall 2018
- 2018 Prescribing in the Elder, Andover, Massachusetts, Fitzgerald Health Education Associates, Fall 2018
- 2018 Cough, Cold, and Fever Symptoms: Pharmacologic therapies, Andover, Massachusetts Fitzgerald Health Education Associates, Fall 2018

- 2018 Principles of Safe Prescribing , Andover, Massachusetts, Fitzgerald Health Education Associates, Fall 2018
- 2018 Dyslipidemia: An Update on Treatment Goals and Options, Andover, Massachusetts, Fitzgerald Health Education Associates, Fall 2018
- 2018 Prescribing for Children: Choosing the Safest Options for your Pediatric Patients, Andover, Massachusetts, Fitzgerald Health Education Associates, Fall 2018
- 2018 Contraceptive Update 5E, Andover, Massachusetts, Fitzgerald Health Education Associates, Fall 2018
- 2017 DNP Intensive, UAH CON, Huntsville, Alabama. (March 31, 2017).
- 2017 Conference Attendance, Writing Intensive," UAH CON, Huntsville, Alabama. (March 23, 2017 - March 24, 2017).
- 2017 Continuing Education Program, Live Broadcast by Astrazeneca on Bevespi," Astrazeneca, Huntsville, Alabama. (March 15, 2017).
- 2017 Workshop, Forming and Managing Groups: Collaborative Learning Faculty Development," Collaborative Learning Resource Center, Huntsville, Alabama. (February 17, 2017).
- 2016 Seminar, E Clinical Works EMR training, The Doctors Office, LLC, Hazel Green, AL, United States. (April 26, 2016).
- 2016 NUR 613-02, Family Nurse Practitioner IV, UAH CON, Huntsville, ALABAMA. (August 2016 - December 2016).
- 2016 Conference Attendance, NANPA North Alabama Nurse Practitioner Association Annual Conference, NANPA, Huntsville, Alabama. (September 16, 2016 - September 17, 2016).
- 2016 NUR 612-02, Family Nurse Practitioner III, UAH CON, Huntsville, ALABAMA. (June 2016 - August 2016).
- 2016 Conference Attendance, Fitzgerald Review FNP Board review, Fitzgerald & Associates, Nashville, TN. (August 8, 2016 - August 10, 2016).
- 2016 Conference Attendance, Southeast Regional Genetics Group, SERGG, Ponte Vedra Beach, Florida. (July 14, 2016 - July 16, 2016).
- 2016 NUR 611-02, Family Nurse Practitioner II, UAH, Huntsville, AL, United States. (January 6, 2016 - May 6, 2016).

- 2016 Seminar, Simchart training, UAH CON, Huntsville, Alabama. (May 5, 2016).
- 2016 Workshop, ORS Export Compliance Training, Huntsville, Alabama. (May 5, 2016).
- 2016 Workshop, I-Stan Training, UAH CON, Huntsville, Alabama. (May 4, 2016).
- 2016 Seminar, Concept Based Curriculum, UAH CON, Huntsville, Alabama. (April 12, 2016).
- 2016 DNP Retreat. (April 1, 2016).
- 2015 NUR 610-02, Family Nurse Practitioner I, UAH, Huntsville, AL, United States. (August 7, 2015 - December 15, 2015)
- 2015 Seminar, Gamification: Practical Strategies for Your Course, --University of Alabama Huntsville, Huntsville, AL, United States. (December 8, 2015).
- 2015 Continuing Education Program, Integrated Technology in Nursing Education and Practice, HRSA, Washington, DC, Washington DC, United States. (August 7, 2015 - December 1, 2015).
- 2015 Conference Attendance, 2015 ISONG World Congress - Epigenetics Across the Life Span, International Society of Nurses in Genetics, Pittsburgh, PA, United States. (November 6, 2015 - November 8, 2015).
- 2015 Conference Attendance, Emerging Challenges in Primary Care 2015, National Association for Continuing Education, Nashville, TN, United States. (October 24, 2015).
- 2015 Conference Attendance, Tyrosinemia 2015, Groupe d'Aide aux Enfants Tyrosinémiques du Québec, Saguenay, Quebec, Canada. (September 24, 2015 - September 26, 2015).
- 2015 Seminar, Dr. Linda Caputi, Concept Based Curriculum, UAH, Huntsville, AL, United States. (August 17, 2015).
- 2015 Webinars, Evolve Adaptive quizzes, concept based, pageburst, & simchart, UAH, Huntsville, AL, United States. (August 6, 2015 - August 7, 2015).
- 2015 Conference Attendance, SERGG, Southeast Regional Genetics Group, Ashville, North Carolina, United States. (July 16, 2015 - July 18, 2015).
- 2014 Conference Attendance, Southeast Regional Genetics Group, HRSA, Ponte Vedra Beach, Florida, United States. (July 17, 2014 - July 19, 2014).

